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May 21, 2004

To: Commissioner for Patents  
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Subject: | Serial No. 10/804,657 03/19/04 |

Monsong Chen et al.

A HARDWARE INDEPENDENT HIERARCHICAL CLUSTER OF HETEROGENEOUS MEDIA SERVERS USING A HIERARCHICAL COMMAND BEAT PROTOCOL TO SYNCHRONIZE DISTRIBUTED PARALLEL COMPUTING SYSTEMS AND EMPLOYING A VIRTUAL DYNAMIC NETWORK TOPOLOGY FOR DISTRIBUTED PARALLEL COMPUTING SYSTEMS

#### INFORMATION DISCLOSURE STATEMENT

Enclosed is Form PTO-1449, Information Disclosure Citation In An Application.

The following Patents and/or Publications are submitted to comply with the duty of disclosure under CFR 1.97-1.99 and 37 CFR 1.56.

#### CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on May 24, 2004.

Stephen B. Ackerman, Reg.# 37761  
Signature/Date  5/24/04

U.S. Patent 5,805,821 to Saxena et al., "Video Optimized Media Streamer User Interface Employing Non-Blocking Switching to Achieve Isochronous Data Transfers," teaches a video optimized media streamer user interface employing non-blocking switching to achieve isochronous data transfers.

U.S. Patent 5,550,577 to Verbiest et al., "Video on Demand Network, Including a Central Video Server and Distributed Video Servers with Random Access Read/Write Memories," illustrates a video on demand network, including a central video server and distributed video servers with random access read/write memories.

U.S. Patent 5,712,976 to Falcon, Jr. et al., "Video Data Streamer for Simultaneously Conveying Same One or Different Ones of Data Blocks Stored in Storage Node to Each of Plurality of Communication Nodes," illustrates a video data streamer for simultaneously transferring data blocks stored from a storage node to any of multiple communications nodes.

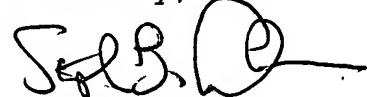
U.S. Patent 6,101,547 to Mukherjee et al., "Inexpensive, Scalable and Open-Architecture Media Server," describes an inexpensive, scalable and open-architecture media server.

"Performance Evaluation of QuickVideo OnDemand (QVOD) Server," InfoValue Computing, Inc. Technical Report IV-TR-QVOD-1999-07-1-1, July 8, 1999, InfoValue Computing, Inc., Elmsford, NY, describes a video on-demand system developed for high performance, effective and flexible, network-based, on-demand sharing of videos.

"Network Video Computing Via QuickVideo Suite," InfoValue Technical White Paper, InfoValue Computing, Inc., Elmsford, NY, 1999, describes Network Video Computing the core of which is video streaming.

"Web Distribution Systems: Caching and Replication" Chadbok, Ohio State University, 1999, found:  
[http://www.cis.ohio-state.edu/~jain/cis788-99/web\\_caching/index.html](http://www.cis.ohio-state.edu/~jain/cis788-99/web_caching/index.html)  
8/15/00, provides an overview of the current techniques for caching and replication of digital data on computer systems interconnected through a global or local digital communication network.

Sincerely,



Stephen B. Ackerman,  
Reg. No. 37761

MAY 26 2004 INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)				Docket Number (Optional) <b>IV-00-003.X</b>	Application Number <b>101804,657</b>	
				Applicant <b>Mansong Chen et al.</b>		
				Filing Date <b>03/19/04</b>	Group Art Unit	
<b>U. S. PATENT DOCUMENTS</b>						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	PLACED DATE IF APPROPRIATE
	<b>5805821</b>	<b>9/8/98</b>	<b>Saxena et al.</b>	<b>395</b>	<b>200.61</b>	<b>8/5/97</b>
	<b>5550577</b>	<b>8/27/96</b>	<b>Verbiest et al.</b>	<b>348</b>	<b>7</b>	<b>5/19/94</b>
	<b>5712976</b>	<b>1/27/98</b>	<b>Falcon, Jr. et al.</b>	<b>395</b>	<b>200.09</b>	<b>9/8/94</b>
	<b>6101547</b>	<b>8/8/00</b>	<b>Mukherjee et al.</b>	<b>709</b>	<b>231</b>	<b>7/14/98</b>
<b>FOREIGN PATENT DOCUMENTS</b>						
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation YES      NO
<b>OTHER DOCUMENTS</b> (Including Author, Title, Date, Page(s), Etc.)						
-	<b>"Performance Evaluation of QuickVideo OnDemand (QVOD) Server", InfoValue Computing, Inc., Tech. Report IV-TR-QVOD (1999-07-11, July 8, 1999, InfoValue Computing Inc, Elmsford,</b>					
-	<b>"Network Video Computing Via QuickVideo Suite", InfoValue Tech. White Paper, InfoValue Computing, Inc., Elmsford, NY, 1999.</b>					
EXAMINER	DATE CONSIDERED					

**EXAMINER:** Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

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